

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(complex near block) and (complex near zero) and 'real/pure'	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L2	8	((complex or imaginary) near zero) same (real near zero) same filter same (transfer near function)	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L3	4	((complex or imaginary) near zero) same (real near zero) same filter same resonator\$1	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L4	1	333/202,230,204,203,208.ccls. and (bandpass with filter) same((complex or imaginary) near zero) same (real near zero) same resonator\$1	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L5	1	"6300849".pn. and ((complex or imaginary) near zero) and (real near zero) and filter and resonator\$1	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L6	1	"20010054943".pn.	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L7	1	"20040196114".pn.	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L8	1	((((complex or imaginary) near zero) same (real near zero) same filter same resonator\$1) and super\$8	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L9	0	"6300849".pn. and (complex near2 zero) and (real near zero) and filter and resonator\$1	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L10	0	"6300849".pn. and ('in' adj phase) and (real near zero) and filter and resonator\$1	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L11	1	"6300849".pn. and phase	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L12	4	333/202-204,208,230.ccls. and ((complex or imaginary) near zero) and (real near zero) and (bandpass near filter)	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L13	4	"333"/\$.ccls. and ((complex or imaginary) near zero) and (real near zero) and (bandpass near filter)	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L14	13	"333"/\$.ccls. and (attenuat\$3 near pole\$1) and (flat with delay with group) and filter	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L15	5	333/202-204,208,230.ccls. and ((complex or imaginary) near zero) and (real near zero) and ( filter)	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14

## EAST Search History

L16	8	333/202-204,208,230.ccls. and (attenuat\$3 near pole\$1) and (flat with delay with group) and filter	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L17	50	((complex or imaginary) near zero) same (real near zero)	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L18	543	(complex with real with zero\$2) and imaginary	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L19	81	(complex with (real near2 zero\$2)) and imaginary	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L20	44	("3979693"   "4070632"   "4236252"   "4277697"   "4355283"   "4461962"   "4527075"   "4546326"   "4680588"   "4851843"   "4857928"   "4876463"   "4881041"   "4885475"   "4959557"   "4989074"   "5050192"   "5053639"   "5083304"   "5142695"   "5194826"   "5220468"   "5235410"   "5267272"   "5283578"   "5345406"   "5349546"   "5374966"   "5430890"   "5442353"   "5446415"   "5451948"   "5481228"   "5491440"   "5500645"   "5557642"   "5572158"   "5646578"   "5712628"   "5724007"   "5742189"   "5862465"   "5872810"   "5973601").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/16 08:14
L21	79	((real near2 zero\$3) with transfer with function)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14
L22	31	((real near2 zero\$3) with transfer with function) and complex and imaginary	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14
L23	6	(complex near2 zero\$2) and (real near zero\$2) and (imaginary near zero)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14
L24	8	((complex or conjugat\$3) near2 zero\$2) and (real near zero\$2) and (imaginary near zero)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14

## EAST Search History

L25	176	341/143.ccls. and comparator and ((first or second) near2 feedback)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14
L26	33	333/202-204,208,230.ccls. and (flat with delay with group) and filter	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L27	32	333/202-204,208,230.ccls. and (flat with delay with group) and filter and resonat\$3	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L28	59	"333"/\$.ccls. and (flat with delay with group) and filter and resonat\$3	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L29	2	(complex near zero\$2) same (real near zero\$2) same (imaginary near zero\$2)	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L30	4	("4199821"   "4404532"   "4466109"   "4476577").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/16 08:14
L31	7	("4521749").URPN.	USPAT	OR	OFF	2006/10/16 08:14
L32	16	(attenuat\$3 near2 pole\$1) and (flat with delay with group) and filter and resonat\$3	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L33	50	(complex near zero\$2) and (real near zero\$2)	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L34	3	(complex near zero\$2 near3 filter) and (real near2 zero\$2 near3 filter)	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L35	15	(complex near zero\$2) same filter\$1 same (real near2 zero\$2)	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L36	9	(complex near zero\$2) same filter\$1 same (imaginary near2 zero\$2)	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L37	45	(complex near zero\$2) and (real near zero\$2) and filter	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L38	1	"6148048".pn. and zero	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L39	50	(complex near zero\$2) and (real near zero\$2)	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L40	29	(complex near zero\$2) same (real near zero\$2)	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L41	27	complex with conjugat\$3 with zero\$2 with real with imaginary	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14

## EAST Search History

L42	129	(complex near2 conjugat\$3 near2 zero\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14
L43	59	(complex near2 conjugat\$3 near2 zero\$2) and (real with zero\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14
L44	5	(second near2 complex near2 zero\$2) and (first near2 complex near2 zero\$2)	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L45	13	(complex near2 zero\$2 near2 filters)	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L46	2	"5566167".pn. and (first near filter\$1) and (second near filter\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14
L47	0	(complex near2 zero\$2 near2 filter near2 first) and (complex near2 zero\$2 near2 filter near2 second)	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L48	116	((complex near zero\$2) with filter\$1)	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L49	21	((complex near zero\$2) with filters)	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L50	32	333/202-204,208,230.ccls. and resonat\$3 and (flat with delay with group) and filter	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L51	59	"333"/\$.ccls. and resonat\$3 and (flat with delay with group) and filter	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L52	33	333/202-204,208,230.ccls. and (flat with delay with group) and filter	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L53	0	("5170413.pn.").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14
L54	2	("5170413").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14

## EAST Search History

L55	7	("4521749").URPN.	USPAT	OR	OFF	2006/10/16 08:14
L56	8	333/202-204,208,230.ccls. and (attenuat\$3 near pole\$1) and (flat with delay with group) and filter	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L57	31	((real near2 zero\$3) with transfer with function) and complex and imaginary	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14
L58	81	(complex with (real near2 zero\$2)) and imaginary	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L59	50	((complex or imaginary) near zero) same (real near zero)	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L60	1	"20010054943".pn.	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L61	4	((complex or imaginary) near zero) same (real near zero) same filter same resonator\$1	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L62	8	((complex or imaginary) near zero) same (real near zero) same filter same (transfer near function)	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L63	1	"6300849".pn. and ((complex or imaginary) near zero) and (real near zero) and filter and resonator\$1	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L64	59	"333"/\$.ccls. and resonat\$3 and (flat with delay with group) and filter	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L65	15	(complex near zero\$2) same filter\$1 same (real near2 zero\$2)	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L66	79	((real near2 zero\$3) with transfer with function)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14
L67	0	("5170413.pn.").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14
L68	1	"20040196114".pn.	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L69	1	(complex near block) and (complex near zero) and 'real/pure'	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14

## EAST Search History

L70	6	(complex near2 zero\$2) and (real near zero\$2) and (imaginary near zero)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14
L71	1	((complex or imaginary) near zero) same (real near zero) same filter same resonator\$1) and super\$8	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L72	0	"6300849".pn. and ('in' adj phase) and (real near zero) and filter and resonator\$1	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L73	32	333/202-204,208,230.ccls. and resonat\$3 and (flat with delay with group) and filter	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L74	50	(complex near zero\$2) and (real near zero\$2)	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L75	59	"333"/\$.ccls. and (flat with delay with group) and filter and resonat\$3	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L76	1	"6148048".pn. and zero	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L77	4	333/202-204,208,230.ccls. and ((complex or imaginary) near zero) and (real near zero) and (bandpass near filter)	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L78	33	333/202-204,208,230.ccls. and (flat with delay with group) and filter	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L79	9	(complex near zero\$2) same filter\$1 same (imaginary near2 zero\$2)	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L80	0	"6300849".pn. and (complex near2 zero) and (real near zero) and filter and resonator\$1	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L81	1	333/202,230,204,203,208.ccls. and (bandpass with filter) same((complex or imaginary) near zero) same (real near zero) same resonator\$1	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L82	1	"6300849".pn. and phase	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L83	116	((complex near zero\$2) with filter\$1)	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L84	176	341/143.ccls. and comparator and ((first or second) near2 feedback)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14

## EAST Search History

L85	16	(attenuat\$3 near2 pole\$1) and (flat with delay with group) and filter and resonat\$3	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L86	129	(complex near2 conjugat\$3 near2 zero\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14
L87	45	(complex near zero\$2) and (real near zero\$2) and filter	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L88	27	complex with conjugat\$3 with zero\$2 with real with imaginary	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14
L89	32	333/202-204,208,230.ccls. and (flat with delay with group) and filter and resonat\$3	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L90	13	"333"/\$.ccls. and (attenuat\$3 near pole\$1) and (flat with delay with group) and filter	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L91	13	(complex near2 zero\$2 near2 filters)	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L92	5	333/202-204,208,230.ccls. and ((complex or imaginary) near zero) and (real near zero) and ( filter)	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L93	543	(complex with real with zero\$2) and imaginary	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L94	0	(complex near2 zero\$2 near2 filter near2 first) and (complex near2 zero\$2 near2 filter near2 second)	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L95	2	("5170413").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14
L96	29	(complex near zero\$2) same (real near zero\$2)	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L97	21	((complex near zero\$2) with filters)	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L98	50	(complex near zero\$2) and (real near zero\$2)	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L99	33	333/202-204,208,230.ccls. and (flat with delay with group) and filter	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14

## EAST Search History

L100	4	"333"/\$.ccls. and ((complex or imaginary) near zero) and (real near zero) and (bandpass near filter)	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L101	2	"5566167".pn. and (first near filter\$1) and (second near filter\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14
L102	4	("4199821"   "4404532"   "4466109"   "4476577").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/16 08:14
L103	3	(complex near zero\$2 near3 filter) and (real near2 zero\$2 near3 filter)	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L104	5	(second near2 complex near2 zero\$2) and (first near2 complex near2 zero\$2)	US-PGPUB; USPAT	OR	OFF	2006/10/16 08:14
L105	2	(complex near zero\$2) same (real near zero\$2) same (imaginary near zero\$2)	US-PGPUB; USPAT	OR	ON	2006/10/16 08:14
L106	8	((complex or conjugat\$3) near2 zero\$2) and (real near zero\$2) and (imaginary near zero)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14
L107	59	(complex near2 conjugat\$3 near2 zero\$2) and (real with zero\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/16 08:14
L108	44	("3979693"   "4070632"   "4236252"   "4277697"   "4355283"   "4461962"   "4527075"   "4546326"   "4680588"   "4851843"   "4857928"   "4876463"   "4881041"   "4885475"   "4959557"   "4989074"   "5050192"   "5053639"   "5083304"   "5142695"   "5194826"   "5220468"   "5235410"   "5267272"   "5283578"   "5345406"   "5349546"   "5374966"   "5430890"   "5442353"   "5446415"   "5451948"   "5481228"   "5491440"   "5500645"   "5557642"   "5572158"   "5646578"   "5712628"   "5724007"   "5742189"   "5862465"   "5872810"   "5973601").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/16 08:14
L109	4	("4513263"   "5576672"   "5841330"   "5936490").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/16 08:37



## EAST Search History

L110	1	("6300849").URPN.	USPAT	OR	OFF	2006/10/16 08:38
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